

Notice of Allowability

Application No.

10/804,833

Examiner

Brian K. Kauffman

Applicant(s)

FRAZER ET AL.

Art Unit

3765

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 17 October 2005.
2. ☒ The allowed claim(s) is/are 15-18, 22-35 and 38-46.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

The examiner acknowledges that claims 1-14, 19-21, and 36-37 have been cancelled.

The examiner also acknowledges that claims 42-46 have been added.

Allowable Subject Matter

Claims 15-18 and 22-35 are allowed.

The following is an examiner's statement of reasons for allowance:

Claim 15 is allowed because it specifically requires stitching a first pattern with the rows of stitching elements while imparting a relative longitudinal movement in a net forward direction between the stitching elements and the substrate; then deactivating a first row of the stitching elements at a first set of final longitudinal positions on the substrate; then, with the stitching elements of the first row deactivated, further stitching the first pattern with a second row of the stitching elements while imparting additional relative longitudinal movement of a first given longitudinal distance in a net forward direction between the stitching elements and the substrate; then deactivating the second row of the stitching elements at a second set of final longitudinal positions on the substrate having a predetermined relationship to the first set of final longitudinal positions; then, maintaining the stitching elements of the first row at a first set of starting longitudinal positions; then activating the first row of the stitching elements at the first set of starting longitudinal positions on the substrate; then with the stitching elements of the first row activated, stitching a second pattern with the first row of the stitching elements while imparting additional relative longitudinal movement a second given distance in a net forward direction between the stitching elements and the substrate; then activating the second row of the stitching elements at a second set of starting

Art Unit: 3765

longitudinal positions on the substrate having a predetermined relationship to the first set of starting longitudinal positions; then with stitching elements of the first and second rows activated, further stitching the second pattern with the rows of stitching elements while imparting relative longitudinal movement in a net forward direction between the stitching elements and the substrate; whereby the first and second final longitudinal positions of the first pattern are less than the first given longitudinal distance apart and the first and second starting longitudinal positions of the second pattern are less than the second given longitudinal distance apart.

Claims 16-18 are allowed because claim 16 specifically requires stitching a first pattern with the rows of stitching elements while imparting relative longitudinal movement in a net forward direction between the stitching elements and the substrate, then deactivating a first row of the stitching elements at a first set of final longitudinal positions on the substrate; then, with the stitching elements of the first row deactivated, further stitching the first pattern with a second row of the stitching elements while imparting additional relative longitudinal movement a first given longitudinal distance in a net forward direction between the stitching elements and the substrate, then deactivating the second row of the stitching elements at a second set of final longitudinal positions on the substrate having a predetermined relationship to the first set of final longitudinal positions; then, with the stitching elements of the first and second rows deactivated, imparting relative longitudinal movement in a net backward direction between the stitching elements and the substrate until the stitching elements of the first row are at a first set of starting longitudinal positions less than the given

longitudinal distance from the final longitudinal positions of the first set; then activating the first row of the stitching elements at the first set of starting longitudinal positions on the substrate; then, with the stitching elements of the first row activated, stitching a second pattern with the first row of the stitching elements while imparting additional relative longitudinal movement a second given distance in a net forward direction between the stitching elements and the substrate; then activating the second row of the stitching elements at a second set of starting longitudinal positions on the substrate having a predetermined relationship to the first set of starting longitudinal positions', then, with stitching elements of the first and second rows activated, further stitching the second pattern with the rows of stitching elements while imparting relative longitudinal movement in a net forward direction between the stitching elements and the substrate; whereby, the first and second patterns are stitched on the substrate less than the given distance apart.

Claims 22-35 are allowed because claim 22 specifically requires quilting a first pattern on a substrate by stitching a first series of stitches of the first pattern with a plurality of the stitching elements of the first group while stitching a second series of stitches of the first pattern with a plurality of the stitching elements of the second group; then deactivating the stitching elements of the first group and further stitching a second series of stitches of the first pattern with a plurality of the stitching elements of the second group; then, deactivating the stitching elements of the second group to complete the quilting of the first pattern on the substrate; and after deactivating the stitching elements of the first group, activating stitching elements of the first group and beginning

Art Unit: 3765

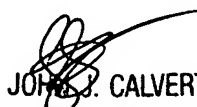
quilting a second pattern on the substrate by stitching a first series of stitches of a second pattern with the plurality of the elements of the first group; then after the deactivating of the stitching elements of the second group to complete the quilting of the first pattern on the substrate, and after the activating of the stitching elements of the first group and the beginning of the quilting of the second pattern on the substrate, activating stitching elements of the second group and further quilting of the second pattern on a substrate by stitching a second series of stitches of the second pattern with the plurality of the stitching elements of the second group.

Claims 38-46 are allowed because claim 42 specifically requires sewing a quilt using the first group without the second group, the second group without the first group, and both groups together.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

BKK

12/28/05



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